Amendments to the Specification

Please amend the paragraph at page 1, lines 6-8, in the following manner:

~~The present invention~~ This disclosure relates to an image compression device for encoding image data according to the JPEG 2000 standard or others, and a method thereof.

Please amend the paragraphs at page 3, line 7 through page 4, line 6, in the following manner:

~~DISCLOSURE OF THE INVENTION~~ SUMMARY

~~It is a general object of the present invention to solve one or more of the problems of the related art.~~

~~A specific object of the present invention is to provide~~ In an aspect of this disclosure, an image compression device and image compression method are provided which are capable of quickly compressing image data to a target value by a simple configuration while maintaining quality of a reproduced image as much as possible.

~~To attain the above objects, according to a first~~ According to another aspect of ~~the present invention~~ this disclosure, there is provided an image compression device comprising an encoding part that performs a frequency analysis on image data, encodes a plurality of coefficients generated by the frequency analysis first unit by first unit, and generates a plurality of codes; a code reduction part that reduces the amount of the codes of each of the first units; and a processing part that further divides the coefficients or the codes of each of the first units into a plurality of second units, and increases the amount of code reduction in the code reduction part for each of the second units according to values of the coefficients of each of the second units or according to values of the codes of each of the second units.

Please amend the paragraphs at page 6, line 16 through page 8, line 9, in the following manner:

According to ~~a second~~ another aspect of ~~the present invention~~ this disclosure, there is provided an image compression method comprising the steps of performing a frequency analysis on image data, encoding a plurality of coefficients obtained by the frequency analysis first unit by first unit, and generating a plurality of codes; reducing the amount of the codes of each of the first units; and further dividing the coefficients or the codes of each of the first units into a plurality of second units, and increasing the amount of reduction of the codes for each of the second units according to values of the coefficients of each of the second units or according to values of the codes of each of the second units.

According to ~~a third~~ another aspect of ~~the present invention~~ this disclosure, there is provided a program for compressing image data, comprising instructions for causing a computer to execute: a first step of performing a frequency analysis on the image data, encoding a plurality of coefficients obtained by the frequency analysis first unit by first unit, and generating a plurality of codes; a second step of reducing the amount of the codes of each of the first units; and a third step of further dividing the coefficients or the codes of each of the first units into a plurality of second units, and increasing the amount of code reduction for each of the second units according to values of the coefficients of each of the second units or according to values of the codes of each of the second units.

According to ~~a fourth~~ another aspect of ~~the present invention~~ this disclosure, there is provided a storage medium that stores a program for compressing image data and comprising instructions for causing a computer to execute: a first step of performing a frequency analysis on the image data, encoding a plurality of coefficients obtained by the frequency analysis first unit by first unit, and generating a plurality of codes; a second step of reducing the amount of the codes of each of the first units; and a third step of further dividing the coefficients or the codes of each of the first units into a plurality of second units, and increasing the amount of code reduction for each of the second units according to values of the coefficients of each of the second units or according to values of the codes of each of the second units.

Please amend the paragraph at page 8, lines 12-16, in the following manner:

These and other ~~objects~~ aspects, features, and advantages of the present invention will become more apparent from the following detailed description of preferred embodiments given with reference to the accompanying drawings, in which: